

REMARKS

There remains pending in this application Claims 1-9 and 11-24, of which Claims 11-21 have been withdrawn from consideration. Claims 1-9 and 22-24 remain under examination, and of these, Claim 1 is the sole independent claim. No claims have been added or cancelled.

In view of the above amendments to independent Claim 1 and the following remarks, favorable reconsideration together with entry of those amendments and allowance of the above application is respectfully sought.

Applicants' invention as now set forth in independent Claim 1 is directed to a linear motor comprising a plurality of wires used for forming a plurality of coils, a plurality of core members, wherein each of the coils is formed by winding directly to each of the core members and each of the core members is used for fixing each of the wound coils to each of a plurality of fixing portions corresponding to each of the core members. The invention further comprises a fixing member which has the plurality of fixing portions and fixes each of the plurality of coils formed by using each of the plurality of core members to each of the plurality of fixing portions.

Independent Claim 1 stands rejected under 35 U.S.C. § 102(b), as being anticipated by Feingold (U.S. Patent No. 4,131,988). That rejection is respectfully traversed.

As now set forth in independent Claim 1, each of a plurality of core members is used for forming each of a plurality of coils, and each of the coils is formed by winding a wire directly to each of the core members. Each of the core members is also used for fixing each of

the formed coils to each of the plurality of fixing portions. Thus, the core members have two functions related to form the coils and to fix the coils formed by winding the wires to the core member.

Claim 1 has been amended to more clearly distinguish Applicants' invention over Feingold, which as noted previously, has a core member and foil-like coil with an insulated layer. However, Feingold is understood to disclose a core piece which is used for fixing a coil to a position to be fixed, but the core piece is not used for forming a coil. The core piece disclosed by Feingold has only one function and that is related to fixing the coil. Feingold uses a winding jig to form the coil by winding a wire and the wound coil is then removed from the winding jig and inserted into the coil piece as shown in Figures 2-4 of that reference. The core pieces (310) provide the same function as core pieces 82, 84, 86, and 88, shown in Figure 3 and described at column 6, lines 67-68.

Nor does Feingold contain any teaching or suggestion that would lead one of ordinary skill in the art to the invention as recited in Claim 1. Applicants' invention recognizes that in order to precisely fix the coil, a dimensional precision of an inner coil surface must be increased. However, the configuration of Feingold, requires a clearance for removal of the coil and the insertion of the coil and therefore the dimensional precision of the inner coil surface of Feingold is inferior to that of the configuration described in Claim 1. In addition, the coil may be damaged by the removal of the coil and its insertion. Thus, Feingold does not disclose or suggest that feature of Applicants' invention related to the dimensional precision of the inner coil surface and the prevention of the coils damaged from removal and insertion thereof and Feingold simply

cannot achieve the benefits or advantages of the invention as now featured in independent Claim 1.

Moreover, in Feingold, the screws 350 for attachment of the pole pieces, which are characterized as a fixing member, do not have a plurality of fixing portions.

For the foregoing reasons, Applicants respectfully submit that Claim 1 as now amended is clearly distinguishable over the applied art of record.

Applicants have also reviewed the secondary references and respectfully submit that none of those references teach or suggest the invention as now set forth in independent Claim 1.

Applicants respectfully request entry of the above amendments to Claim 1 as they are being presented in an earnest effort to advance prosecution and place the application in condition for allowance.

The remaining claims in the above-identified application are dependent claims which depend either directly or indirectly from Claim 1 and are therefore patentable over the art of record for reasons noted above with respect to Claim 1. In addition, each recite features of the invention still further distinguishing it from the applied art. Favorable and independent consideration thereof is respectfully sought.

Applicants respectfully submit that all outstanding matters in the above application have been addressed and that this application is in condition for allowance. Favorable reconsideration and early passage to issue of the above application is respectfully sought.

Applicants' undersigned attorney may be reached in our Washington, D.C. office by telephone at (202) 530-1010. All correspondence should continue to be directed to our below listed address.

Respectfully submitted,



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